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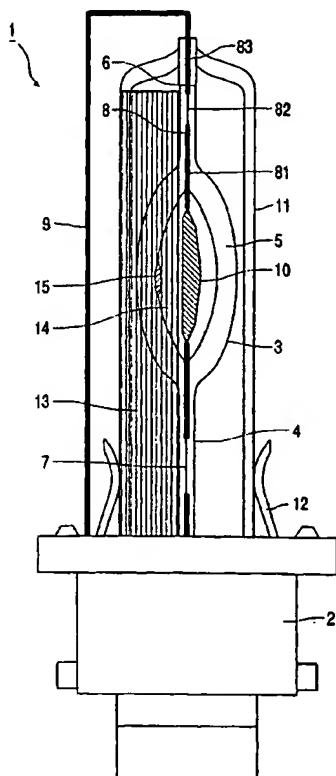
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(54) Title: GAS-DISCHARGE LAMP WITH A COLOUR-COMPENSATING FILTER



(57) Abstract: The invention relates to a gas-discharge lamp having a discharge vessel (5), two electrodes (7, 8), a cap (2), an outer envelope (11), and a filling in the discharge vessel comprising a metal halide. Gas-discharge lamps of this kind are used in particular as light sources for the headlight systems of motor vehicles. In order to easily improve the quality of the color of the beam from the lamp, particularly for application in an optical imaging system such as a reflector of a motor vehicle headlight, the outer envelope of the gas-discharge lamp is partially coated with an optical compensating filter (13) of a color complementary to the color of the metal halide. In gas-discharge lamps of the generic kind, that proportion (15) of salts in the filling that is not in the gaseous state when the lamp is operating produces a coloration in the beam generated. The yellowish condensate (15) in the discharge vessel causes an area of yellowish coloration in the beam. By partially coating the outer envelope with a compensating filter, the unwanted coloration in the beam can be corrected if the filter is of the appropriate complementary color.

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